**BEDROCK TOPOGRAPHY**

The bedrock topography map was produced from 399 data points (bedrock elevations at these points are labeled on the map). Of these data points, 305 are water wells, 3 are stratigraphic borings, and 1 is an engineering boring. All data are on file at the Illinois State Geological Survey Geological Records Unit. Some data, not shown on the map, were from Illinois State Plane coordinate systems, east zone (Transverse Mercator) and in part by inferring values from geological maps. The data depict the location and elevation of the bedrock surface. The bedrock surface in this quadrangle is about 150 feet below sea level. The hills and valleys are the ancient bedrock surfaces now formed in part by river erosion processes during the last glacial stages and in part by erosion from glacial ice. The plains depict those areas that have the bedrock surface at or slightly below sea level (640 feet above sea level) and have been mapped and described in detail by Grimley (2002). Exposures of bedrock are not known to occur in this quadrangle.

This map portrays similar trends in bedrock topography but is more detailed. Data from regional studies of Carlson and Hoxie (1995) and Hoxie et al. (1994) will be incorporated in depth and used for a larger data set. These data will be incorporated as they become available and mapped in greater detail then previously.

**METHODS**

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**REFERENCES**


**Data Points**

- Stratigraphic boring (ISGS)
- Water well boring
- Engineering boring

**Note:** Data points indicate the bedrock elevation at the locations (feet above sea level).